

AMERICAN ASSOCIATION OF COLLEGES OF PHARMACY

ENROLLMENT REPORT ON GRADUATE
DEGREE PROGRAMS IN PHARMACY
FALL 1983



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FALL 1983

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TABLE CONTENTS

INTRODUCTION		1
FIGURE 1	DEFINITIONS OF DISCIPLINE CATEGORIES	1
TABLE 1	FALL 1983 FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS	2
TABLE 2-A	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS - PHARMACY	3
TABLE 2-B	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS - PHARMA- CEUTICAL/MEDICINAL CHEMISTRY	4
TABLE 2-C	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS - PHARMACOGNOSY	5
TABLE 2-D	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS - PHARMACOLOGY	6
TABLE 2-E	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS - PHARMACY ADMINISTRATION	7
TABLE 2-F	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS - HOSPITAL PHARMACY	8
TABLE 3	FALL 1983 FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS	9
TABLE 4-A	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS - PHARMACY	10
TABLE 4-B	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS - PHARMA- CEUTICAL/MEDICINAL CHEMISTRY	11
TABLE 4-C	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS - PHARMACOGNOSY	12
TABLE 4-D	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS - PHARMACOLOGY	13
TABLE 4-E	FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS - PHARMACY ADMINISTRATION	14
TABLE 5-A	FALL 1983 PART-TIME ENROLLMENT IN MASTERS PROGRAMS	15
TABLE 5-B	FALL 1983 PART-TIME ENROLLMENT IN PH.D. PROGRAMS	16

TABLE 6	PREVIOUS DEGREE OF FULL AND PART-TIME GRADUATE STUDENTS	17
TABLE 7	FALL 1983 GEOGRAPHIC ORIGIN OF GRADUATE STUDENTS	18
TABLE 8	FALL 1983 COUNTRY OF ORIGIN OF FOREIGN STUDENTS	20
TABLE 9	FALL 1983 ENROLLMENT OF AMERICAN FULL-TIME STUDENTS IN EACH STATE BY STATE OF RESIDENCE	21
TABLE 10	CHANGE IN PHARMACY SCHOOL GRADUATE ENROLLMENT (FULL AND PART-TIME)	24
AACP PUBLICATIONS		25
ORDER FORM		26

ENROLLMENT REPORT ON GRADUATE
DEGREE PROGRAMS IN PHARMACY, FALL 1983

INTRODUCTION

The 1983-84 Enrollment Report on Graduate Degree Programs in Pharmacy shows that total enrollment (full and part-time) in the 54 programs has increased 4.2% since the academic year 1982-1983 to 3,051 students. This reverses the 1.1% decline from academic years 1981-82 to 1982-83. The twelve-year trend (Table 10) shows enrollments have gained over 50.0%.

MASTER OF SCIENCE FULL-TIME ENROLLMENT

Table 1 shows that full-time student enrollment in Master of Science (M.S.) programs has dropped by 3.8% from 763 to 734 students since 1982-83. This decrease is seen in four of six disciplines: pharmacy/pharmaceutics 216 to 196 students; pharmaceutical/medicinal chemistry 140 to 137 students; hospital pharmacy 149 to 135 students and pharmacology 172 to 153. In contrast, pharmacy administration increased by 18 students and pharmacognosy by 8 students.

PH.D. FULL-TIME ENROLLMENTS

Unlike enrollments in M.S. programs, doctoral programs gained 3.8% over the previous year to 1,373 students. Female students significantly increased from last year's 383 to this year's 411 students.

Enrollment gains ranged from 1.5% in pharmacy to 22.1% in pharmacology with pharmacy administration increasing 19.7%. Pharmacognosy dropped 13.5% while pharmaceutical/medicinal chemistry declined 2.8%.

PART-TIME M.S. AND PH.D. ENROLLMENTS

Part-time programs outpaced the general climb in enrollments by gaining 12.2% from 841 to 944 students from last year. This gain consists of a 9.8% climb for M.S. and 21.1% for Ph.D. programs.

Increases by disciplines for total part-time students (M.S. and Ph.D.) ranged from 40.0% for pharmacognosy to 8.6% for pharmacy/pharmaceutics. This includes gains of 9.0% in pharmacy administration, 14.8% in pharmacology and 29.0% in hospital pharmacy. Pharmaceutical/medicinal chemistry has 0.8% fewer students.

FEMALE ENROLLMENTS

The total number of full time graduate school women climbed 6.0% to 720 from 679 students since 1982-83. This jump consists of 4.4% increase in M.S. programs and 7.3% gain in doctoral programs.

Women now compose 34.2% of all full-time graduate students compared to 32.6% last year. By program, females account for 42.1% of M.S. and 29.9% of doctoral students this year.

For M.S. programs, women dropped by 2 in pharmacognosy and 1 in pharmacy/pharmaceutics. Women, however, increased in 3 remaining fields: pharmacy administration (10), pharmacology (4), and hospital pharmacy (2).

Women Ph.D. students gained in pharmacology (15), pharmacy (7), pharmacy administration (5), and pharmaceutical/medicinal chemistry (2). Only pharmacognosy lost 1 student.

MINORITY ENROLLMENT

American minority students in M.S. programs increased this year to 57 students. All but two minority group increased representation in M.S. programs since last year: Blacks (5); Hispanics (4); and Native American (1). Asian American dropped 1, and other minority lost 2 students.

American minority students in doctoral programs increased to 96 students. All but one minority gained students: Other minority (9), Blacks (5), Native American (2), Asian American (1). The number of Hispanics remained stable at 13 students.

FIVE YEAR TREND

A five-year analysis of full and part-time enrollment shows graduate schools are educating 9.9% more students than in 1978-79. Most of this increase is the 13.9% growth in full-time compared to the 1.9% increase in part-time students. Full-time enrollment gains are composed of 28.8% increase in Ph.D. students and 6.4% decline of M.S. students.

Female enrollments in graduate schools have jumped by 45.7% during the last five years. The biggest portion is the 66.4% climb of female doctoral students. The number of women in M.S. programs has increased 25% since 1978-79. Women currently account for 42.1% of all M.S. and 29.9% of all doctoral students; over 10.0% gain in M.S. and 6.0% gain in doctoral programs.

Five years ago American minority students comprised 5.8% of all full-time students compared to 7.2% today. The majority of this growth is the climb in minority doctoral students. Minorities currently comprise 7.6% of full-time M.S. and 7.0% of full-time doctoral students.

FIGURE 1

DEFINITIONS OF DISCIPLINE CATEGORIES

PHARMACY INCLUDES:	Pharmaceutics Industrial Pharmacy Clinical Pharmacy Drug Information.
PHARMACEUTICAL CHEMISTRY INCLUDES:	Clinical Chemistry Radio Pharmacy Bionucleonics Medicinal Chemistry Radiological Health
PHARMACOGNOSY INCLUDES:	Molecular Biology Quantum Biology Micro Biology
PHARMACOLOGY INCLUDES:	Biochemical Pharmacology Toxicology Neuropharmacology Psychopharmacology Cardiovascular Pharmacology Autonomic Pharmacology
PHARMACY ADMINISTRATION INCLUDES:	Hospital Pharmacy Administration History of Pharmacy Social Studies of Pharmacy
HOSPITAL PHARMACY INCLUDES:	Hospital Pharmacy only

TABLE 1
 FALL 1983 FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS ^{a,b}

SCHOOLS BY STATE	PHARM.		PH. CHEM.		PHCOG.		PHCOL.		PH. ADM.		HOSP. PH.		TOTALS		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Auburn U.	5	1	3	0	0	0	2	2	0	0	0	0	10	3	13
Arizona, U. of	0	1	0	2	1	0	15	15	4	1	1	0	21	19	40
Arkansas, U. of	0	0	0	0	0	0	0	0	0	0	3	3	3	3	6
Pacific, U. of	4	2	4	0	0	0	4	2	0	0	0	0	12	4	16
Southern California, U. of	2	2	8	6	0	1	0	1	0	0	0	0	10	10	20
Colorado, U. of	1	1	1	0	0	0	0	1	1	1	1	0	4	3	7
Connecticut, U. of	3	1	1	0	0	1	2	2	0	1	0	0	6	5	11
Florida A&M U.	0	0	1	0	1	0	10	9	0	0	0	0	12	9	21
Florida, U. of	1	0	0	1	0	0	0	0	0	0	2	2	3	3	6
Georgia, U. of	7	4	0	2	0	0	3	2	1	1	0	0	11	9	20
Idaho State U.	0	0	1	0	0	1	2	1	0	0	0	0	3	2	5
Illinois, U. of	8	2	5	3	1	1	0	0	2	2	0	0	16	8	24
Butler U.	0	1	0	0	0	0	1	1	0	0	1	0	2	2	4
Purdue U.	3	1	9	3	1	1	3	2	1	0	0	0	17	7	24
Iowa, U. of	0	3	3	1	0	0	0	0	1	1	3	3	7	8	15
Kansas, U. of	0	0	4	0	0	0	0	0	0	0	3	5	7	5	12
Kentucky, U. of	0	1	1	0	0	0	0	0	0	0	0	0	1	1	2
Northeast Louisiana U.	5	2	1	0	0	0	1	2	1	1	0	0	8	5	13
Maryland U. of	4	0	1	0	0	0	1	2	1	0	4	2	11	4	15
Massachusetts Coll. of Pharm.	11	9	3	4	0	0	0	0	0	0	7	1	21	14	35
Northeastern U.	0	0	6	0	0	0	1	0	0	0	1	2	8	2	10
Michigan, U. of	1	0	6	8	1	0	0	0	0	0	0	0	8	8	16
Wayne State U.	1	0	2	0	0	0	0	0	0	1	0	0	3	1	4
Minnesota, U. of	0	0	1	1	2	0	0	0	(1)	(2)	5	8	9	11	20
Mississippi, U. of	2	0	0	1	0	0	0	1	9	8	1	1	12	11	23
Missouri - Kansas City, U. of	1	1	0	0	0	0	2	1	2	0	0	0	5	2	7
Montana, U. of	0	0	0	0	0	1	2	0	0	0	0	0	2	1	3
Nebraska, U. of	2	0	0	0	0	0	1	1	0	0	0	0	3	1	4
Rutgers U.	7	4	0	2	1	0	2	3	0	0	0	0	10	9	19
A&M Schwartz Long Island U.	12	6	0	0	0	0	0	2	4	2	0	0	16	10	26
St. John's U.	5	9	0	0	0	0	2	2	4	2	0	0	11	13	24
New York at Buffalo, State U. of	0	1	2	0	0	0	0	1	0	0	0	0	2	2	4
North Carolina, U. of	2	3	1	2	0	0	0	0	1	1	6	9	10	15	25
North Dakota State U.	0	0	1	0	5	0	0	0	0	0	2	2	8	2	10
Ohio State U.	1	1	0	0	0	0	0	2	3	0	10	6	14	9	23
Cincinnati, U. of	5	2	0	1	0	0	2	0	0	0	0	0	7	3	10
Toledo, U. of	0	1	0	0	3	1	0	1	0	0	2	2	5	5	10
Oklahoma, U. of	4	0	1	1	0	0	1	2	2	0	2	0	10	3	13
Oregon State U.	0	2	1	1	0	0	3	0	0	1	(1)	(3)	5	7	12
Duquesne U.	3	3	1	1	0	0	2	3	0	0	0	0	6	7	13
Philadelphia Coll. of Pharm.	0	0	6	3	1	0	3	0	0	0	0	0	10	3	13
Temple U.	1	0	6	4	0	0	4	0	0	0	0	0	11	4	15
Pittsburgh, U. of	3	1	0	0	0	1	0	1	0	0	0	0	3	3	6
Rhode Island, U. of	0	1	1	2	2	0	5	2	0	0	0	0	8	5	13
South Carolina, U. of	1	0	0	0	0	0	1	0	1	2	0	1	3	3	6
Tennessee, U. of	0	2	0	0	0	0	0	0	2	2	0	0	2	4	6
Houston, U. of	6	4	0	0	7	2	0	2	0	0	7	9	20	17	37
Texas at Austin, U. of	3	5	0	2	0	0	4	4	1	2	0	0	8	13	21
Utah, U. of	0	0	0	0	0	0	0	0	1	1	2	1	3	2	5
Washington State U.	0	0	0	0	0	0	4	0	0	0	0	0	4	0	4
West Virginia U.	2	2	2	3	0	0	0	0	1	1	0	0	5	6	11
Wisconsin-Madison, U. of	1	0	0	0	0	0	0	0	0	0	8	3	9	3	12
TOTAL	117	79	83	54	26	10	83	70	44	33	72	63	425	309	734

^a

Areas included in each category are listed in Figure 1.

^b

Figures in parentheses represent students in a pharmaceutical science program offered by a department of the parent institution other than its college of pharmacy.

TABLE 2-A
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS

PHARMACY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Auburn U.	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Pacific, U. of	0	0	0	0	0	0	0	0	0	0	3	2	3	2	5
Southern California, U. of	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
Colorado, U. of	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Connecticut, U. of	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
Florida, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Georgia, U. of	0	0	0	0	0	0	0	0	0	0	4	3	4	3	7
Illinois, U. of	0	0	0	0	0	0	0	0	0	0	7	2	7	2	9
Purdue U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Iowa, U. of	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3
Northeast Louisiana U.	0	0	0	0	0	0	0	0	0	0	5	2	5	2	7
Maryland U. of	0	0	0	0	1	0	0	0	0	0	1	0	2	0	2
Massachusetts Coll. of Pharm.	0	0	0	3	1	0	0	0	0	0	7	5	8	8	16
Michigan, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Wayne State U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Missouri - Kansas City, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Nebraska, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Rutgers U.	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
A&M Schwartz Long Island U.	0	2	2	0	1	0	0	0	0	0	7	3	10	5	15
St. John's U.	0	0	0	0	0	0	0	0	0	0	3	7	3	7	10
New York at Buffalo, State U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
North Carolina, U. of	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Ohio State U.	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Cincinnati, U. of	0	0	0	0	0	0	0	0	0	0	3	2	3	2	5
Oklahoma, U. of	0	0	0	0	0	0	0	0	0	0	4	0	4	0	4
Oregon State U.	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
Duquesne U.	0	0	0	0	0	0	0	0	0	0	3	3	3	3	6
Pittsburgh, U. of	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Rhode Island, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Houston, U. of	0	0	0	0	0	0	0	0	0	0	6	3	6	3	9
Texas at Austin, U. of	0	0	0	0	0	1	0	0	0	0	2	4	2	5	7
West Virginia U.	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
Wisconsin-Madison, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
TOTAL	0	2	2	3	3	1	0	0	1	0	73	53	79	59	138

TABLE 2-B
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS

PHARMACEUTICAL/MEDICINAL CHEMISTRY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	1	0	0	0	0	0	0	0	0	0	1	0	2	2
Pacific, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Southern California, U. of	0	0	0	0	0	1	0	0	1	0	3	4	4	5	9
Connecticut, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Idaho State U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Illinois, U. of	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
Purdue U.	0	0	0	1	1	0	0	0	0	0	3	2	4	3	7
Iowa, U. of	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Kansas, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Kentucky, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Massachusetts Coll. of Pharm.	0	0	0	0	0	0	0	0	0	0	3	4	3	4	7
Northeastern U.	0	0	0	0	0	0	0	0	0	0	6	0	6	0	6
Michigan, U. of	0	0	0	0	0	0	0	0	0	0	4	5	4	5	9
Wayne State U.	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Minnesota, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Mississippi, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Rutgers U.	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
Cincinnati, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Oklahoma, U. of	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
Oregon State U.	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Philadelphia Coll. of Pharm.	0	0	0	0	0	0	0	0	0	0	4	1	4	1	5
Rhode Island, U. of	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3
Texas at Austin, U. of	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
West Virginia U.	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3
TOTAL	0	1	1	2	1	3	0	0	1	0	35	27	38	33	71

TABLE 2-C
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS

PHARMACOGNOSY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Southern California, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Florida A&M U.	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Illinois, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Purdue U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Michigan, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Minnesota, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Montana, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
North Dakota State U.	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
Toledo, U. of	0	0	0	0	0	0	0	0	0	0	3	1	3	1	4
Houston, U. of	0	0	0	0	0	0	0	0	0	0	5	2	5	2	7
TOTAL	1	0	0	0	0	0	0	0	0	0	15	6	16	6	22

TABLE 2-D
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS

PHARMACOLOGY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	0	1	1	0	0	0	0	1	1	2	2	4
Pacific, U. of	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Southern California, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Connecticut, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Florida A&M U.	6	7	0	0	0	0	0	0	0	0	3	1	9	8	17
Idaho State U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Butler U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Purdue U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Northeast Louisiana U.	1	0	0	0	0	0	0	0	0	0	0	2	1	2	3
Maryland U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Northeastern U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Mississippi, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Missouri - Kansas City, U. of	1	0	0	0	0	0	0	0	0	0	1	1	2	1	3
Montana, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Nebraska, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
A&M Schwartz Long Island U.	0	2	0	0	0	0	0	0	0	0	0	0	0	2	2
St. John's U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Ohio State U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Toledo, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Pittsburgh, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Houston, U. of	0	1	0	0	0	0	0	0	0	0	0	1	0	2	2
Texas at Austin, U. of	0	0	0	0	0	1	0	0	0	0	1	1	1	2	3
Washington State U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
TOTAL	8	10	0	0	1	2	0	0	0	0	14	16	23	28	51

TABLE 2-E
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS

PHARMACY ADMINISTRATION

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Georgia, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Purdue U.	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Iowa, U. of	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Northeast Louisiana U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Wayne State U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Minnesota, U. of	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Mississippi, U. of	1	2	0	0	0	0	0	0	0	0	1	0	2	2	4
A&M Schwartz Long Island U.	0	1	0	0	0	0	0	0	0	0	4	0	4	1	5
St. John's U.	0	0	0	0	0	0	0	0	0	0	4	2	4	2	6
North Carolina, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Oregon State U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
South Carolina, U. of	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Texas at Austin, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Utah, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
TOTAL	1	3	1	1	0	0	0	0	0	0	11	11	13	15	28

TABLE 2-F
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN MASTERS PROGRAMS

HOSPITAL PHARMACY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		NATIVE AMERICAN		ASIAN AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Butler U.	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Iowa, U. of	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Kansas, U. of	0	0	0	1	1	0	0	0	0	0	0	0	1	1	2
Maryland U. of	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Massachusetts Coll. of Pharm.	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Northeastern U.	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3
Mississippi, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
North Carolina, U. of	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
Toledo, U. of	0	0	0	0	0	0	0	0	0	0	0	2	0	2	2
South Carolina, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Houston, U. of	0	2	1	0	0	0	0	0	0	0	0	1	1	3	4
TOTAL	1	2	1	2	1	0	1	0	0	0	5	10	9	14	23

TABLE 3
FALL 1983 FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS ^a

SCHOOLS BY STATE	PHARM.		PH. CHEM.		PHCOG.		PHCOL.		PH. ADM.		HOSP. PH.		TOTALS		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Arizona, U. of	7	1	9	2	0	0	23	3	1	2	0	0	40	8	48
California, U. of	0	0	48	21	0	0	0	0	0	0	0	0	48	21	69
Pacific, U. of	1	2	3	0	0	0	0	2	0	0	0	0	4	4	8
Southern California, U. of	7	1	11	5	0	1	4	1	1	0	0	0	23	8	31
Colorado, U. of	1	1	1	0	0	0	6	0	1	1	0	0	9	2	11
Connecticut, U. of	21	10	7	1	3	0	12	10	0	0	0	0	43	21	64
Florida, U. of	9	5	10	3	0	0	0	0	3	3	0	0	22	11	33
Georgia, U. of	8	1	6	2	0	0	3	3	1	0	0	0	18	6	24
Illinois, U. of	6	3	6	7	9	4	0	0	0	0	0	0	21	14	35
Purdue U.	26	15	29	13	2	1	12	4	4	1	0	0	73	34	107
Iowa, U. of	21	9	9	2	0	0	0	0	3	0	0	0	33	11	44
Kansas, U. of	36	15	24	6	0	0	12	4	0	0	0	0	72	25	97
Kentucky, U. of	18	9	12	2	0	0	1	1	0	0	0	0	31	12	43
Northeast Louisiana U.	3	1	0	0	0	1	5	2	1	1	0	0	9	5	14
Maryland U. of	3	1	2	1	0	0	6	8	1	1	0	0	12	11	23
Massachusetts Coll. of Pharm.	2	0	0	0	0	0	0	0	0	0	0	0	2	0	2
Michigan, U. of	6	2	16	12	2	1	0	0	0	0	0	0	24	15	39
Wayne State U.	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Minnesota, U. of	11	5	11	6	8	2	0	0	14	6	0	0	44	19	63
Mississippi, U. of	0	0	0	0	1	0	1	1	8	3	0	0	10	4	14
Missouri - Kansas City, U. of	2	0	0	0	0	0	0	1	1	0	0	0	3	1	4
Nebraska, U. of	4	3	6	2	0	0	2	2	0	0	0	0	12	7	19
Rutgers U.	7	3	1	1	4	0	10	18	0	0	0	0	22	22	44
St. John's U.	2	1	0	0	0	0	1	1	0	0	0	0	3	2	5
New York at Buffalo, State U. of	20	9	13	3	0	0	10	2	0	0	0	0	43	14	57
North Carolina, U. of	6	2	11	5	0	0	0	0	0	1	0	0	17	8	25
North Dakota State U.	0	0	0	0	2	0	0	0	0	0	0	0	2	0	2
Ohio State U.	11	7	21	9	0	0	8	5	4	0	0	0	44	21	65
Cincinnati, U. of	7	0	0	0	0	0	0	0	0	0	0	0	7	0	7
Oklahoma, U. of	1	1	0	0	0	0	7	0	1	0	0	0	9	1	10
Oregon State U.	2	1	4	2	0	0	4	5	0	0	0	0	10	8	18
Duquesne U.	1	0	1	0	0	0	0	0	0	0	0	0	2	0	2
Philadelphia Coll. of Pharm.	10	3	3	1	1	0	5	2	0	0	0	0	19	6	25
Temple U.	0	0	4	1	0	0	7	1	0	0	0	0	11	2	13
Pittsburgh, U. of	2	2	6	1	5	4	9	5	0	0	0	0	22	12	34
Rhode Island, U. of	2	0	1	1	2	1	3	0	0	0	0	0	8	2	10
South Carolina, Medical U. of	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
South Carolina, U. of	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Tennessee, U. of	1	0	1	0	0	0	8	3	0	0	0	0	10	3	13
Houston, U. of	5	0	0	0	0	0	10	3	0	0	0	0	15	3	18
Texas at Austin, U. of	8	3	7	3	0	0	6	3	2	3	0	0	23	12	35
Utah, U. of	18	5	5	2	0	0	6	5	0	0	0	0	29	12	41
Virginia Commonwealth U.	8	1	8	3	0	0	0	0	0	0	0	0	16	4	20
Washington, U. of	6	9	15	3	0	0	0	0	0	0	0	0	21	12	33
Washington State U.	0	0	2	0	1	1	13	2	0	0	0	0	16	3	19
West Virginia U.	5	1	0	2	0	0	0	0	0	0	0	0	5	3	8
Wisconsin-Madison, U. of	23	12	9	1	5	3	12	5	3	1	0	0	52	22	74
TOTAL	337	144	323	123	45	19	207	102	50	23	0	0	962	411	1373

^a The areas in each category are listed in Figure 1.

TABLE 4-A
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS

PHARMACY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	0	0	0	0	0	0	1	2	0	2	1	3
Pacific, U. of	0	0	0	0	0	0	0	0	1	2	0	0	1	2	3
Southern California, U. of	0	0	0	0	0	0	1	0	3	0	2	1	6	1	7
Connecticut, U. of	0	0	0	0	0	0	0	0	0	0	15	4	15	4	19
Florida, U. of	0	0	1	0	0	0	0	0	0	0	1	2	2	2	4
Georgia, U. of	0	0	0	0	0	0	0	0	0	0	4	1	4	1	5
Illinois, U. of	0	0	0	0	0	0	0	0	0	0	5	3	5	3	8
Purdue U.	1	0	2	1	1	1	0	0	0	0	3	4	7	6	13
Iowa, U. of	0	0	0	0	0	1	0	0	0	0	8	2	8	3	11
Kansas, U. of	1	0	0	0	3	1	0	0	0	0	21	5	25	6	31
Kentucky, U. of	1	0	0	0	0	0	0	0	0	0	9	5	10	5	15
Northeast Louisiana U.	0	0	0	0	1	0	0	0	0	0	2	0	3	0	3
Maryland U. of	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
Massachusetts Coll. of Pharm.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Michigan, U. of	0	0	0	0	1	0	0	0	0	0	2	2	3	2	5
Minnesota, U. of	0	0	0	0	0	0	0	0	0	0	8	4	8	4	12
Missouri - Kansas City, U. of	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Nebraska, U. of	0	0	0	0	0	1	0	0	0	0	0	1	0	2	2
Rutgers U.	0	0	0	0	4	0	0	0	0	2	0	0	4	2	6
St. John's U.	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
New York at Buffalo, State U. of	0	1	0	0	5	0	0	0	0	0	5	2	10	3	13
North Carolina, U. of	0	1	0	0	0	0	0	0	0	0	2	0	2	1	3
Ohio State U.	0	0	0	0	0	0	0	0	0	0	7	3	7	3	10
Cincinnati, U. of	0	0	0	0	0	0	0	0	0	0	4	0	4	0	4
Oklahoma, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Oregon State U.	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Duquesne U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Philadelphia Coll. of Pharm.	0	0	0	0	0	1	0	0	0	0	2	0	2	1	3
Pittsburgh, U. of	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
Rhode Island, U. of	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Houston, U. of	0	0	0	0	0	0	0	0	0	0	4	0	4	0	4
Texas at Austin, U. of	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
Utah, U. of	0	0	0	0	2	0	0	0	0	0	11	3	13	3	16
Virginia Commonwealth U.	0	0	0	0	0	0	0	0	0	0	6	0	6	0	6
Washington, U. of	0	0	0	0	0	0	0	0	0	0	1	3	1	3	4
West Virginia U.	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
Wisconsin-Madison, U. of	0	0	0	2	0	0	0	0	0	0	9	7	9	9	18
TOTAL	3	2	3	3	17	6	1	0	4	5	151	56	179	72	251

TABLE 4-B

FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS

PHARMACEUTICAL/MEDICINAL CHEMISTRY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
California, U. of	1	0	1	0	5	2	0	0	0	0	10	4	17	6	23
Pacific, U. of	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2
Southern California, U. of	0	0	0	0	0	0	0	0	1	2	7	2	8	4	12
Connecticut, U. of	0	0	0	0	0	0	0	0	0	0	2	1	2	1	3
Georgia, U. of	0	0	0	0	0	0	0	0	1	0	2	0	3	0	3
Illinois, U. of	0	0	0	0	0	1	0	0	0	0	0	4	0	5	5
Purdue U.	0	0	1	2	0	0	0	0	0	0	7	4	8	6	14
Iowa, U. of	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
Kansas, U. of	1	0	0	1	1	0	0	0	0	0	5	3	7	4	11
Kentucky, U. of	0	0	0	0	0	0	0	0	0	0	6	1	6	1	7
Maryland U. of	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Michigan, U. of	0	1	0	1	1	0	0	0	0	0	5	2	6	4	10
Minnesota, U. of	0	0	0	0	0	0	0	0	0	0	5	1	5	1	6
Nebraska, U. of	0	0	0	0	0	0	0	0	0	0	2	2	2	2	4
New York at Buffalo, State U. of	1	0	0	0	0	0	0	0	0	0	6	1	7	1	8
North Carolina, U. of	0	0	0	0	0	0	0	0	0	0	3	1	3	1	4
Ohio State U.	0	0	0	0	0	0	0	0	0	0	12	3	12	3	15
Oregon State U.	0	0	0	0	0	0	0	0	0	0	3	2	3	2	5
Duquesne U.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Philadelphia Coll. of Pharm.	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Pittsburgh, U. of	0	0	0	0	0	0	0	0	0	0	3	1	3	1	4
Rhode Island, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Texas at Austin, U. of	0	0	0	0	0	0	0	1	0	0	4	1	4	2	6
Utah, U. of	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Washington, U. of	0	0	0	0	2	0	0	0	0	0	1	0	3	0	3
Washington State U.	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Wisconsin-Madison, U. of	1	0	0	0	1	0	0	0	0	0	2	0	4	0	4
TOTAL	4	1	2	4	10	3	0	1	4	2	100	34	120	45	165

TABLE 4-C
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS

PHARMACOGNOSY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Southern California, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Illinois, U. of	0	0	0	0	0	0	0	0	0	0	8	3	8	3	11
Purdue U.	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Northeast Louisiana U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Michigan, U. of	0	0	0	0	1	0	0	0	0	0	1	0	2	0	2
Minnesota, U. of	0	0	0	0	0	0	0	0	0	0	6	2	6	2	8
Mississippi, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Rutgers U.	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Pittsburgh, U. of	0	0	0	0	0	0	0	0	0	0	5	4	5	4	9
Rhode Island, U. of	0	0	0	0	0	0	0	0	0	0	2	0	2	0	2
Washington State U.	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Wisconsin-Madison, U. of	0	0	0	0	0	0	0	0	0	0	3	1	3	1	4
TOTAL	0	0	0	0	1	0	0	0	0	0	30	13	31	13	44

TABLE 4-D
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS

PHARMACOLOGY

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	0	1	0	0	0	0	0	1	0	2	0	2
Pacific, U. of	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Southern California, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Connecticut, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Georgia, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Purdue U.	0	0	0	0	0	0	0	0	0	0	4	0	4	0	4
Kansas, U. of	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3
Maryland U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Mississippi, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Nebraska, U. of	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2
Rutgers U.	0	0	0	0	0	2	0	0	0	0	0	0	0	2	2
New York at Buffalo, State U. of	0	0	0	0	0	1	0	0	0	0	5	0	5	1	6
Ohio State U.	1	0	0	0	0	0	0	0	0	0	1	1	2	1	3
Oklahoma, U. of	0	0	0	0	0	0	0	0	0	0	6	0	6	0	6
Philadelphia Coll. of Pharm.	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Pittsburgh, U. of	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Tennessee, U. of	0	0	0	0	1	0	0	0	0	0	1	0	2	0	2
Houston, U. of	0	1	0	0	1	0	0	0	0	0	4	1	5	2	7
Texas at Austin, U. of	0	0	0	0	0	1	0	0	0	0	1	0	1	1	2
Utah, U. of	0	0	0	0	0	1	0	0	0	0	2	1	2	2	4
Washington State U.	0	0	0	0	0	1	0	0	0	0	1	0	1	1	2
Wisconsin-Madison, U. of	0	0	0	0	0	0	0	0	0	0	1	2	1	2	3
TOTAL	1	1	0	0	3	6	0	0	0	2	34	9	38	18	56

TABLE 4-E
FALL 1983 MINORITY FULL-TIME GRADUATE ENROLLMENT IN PH.D. PROGRAMS

PHARMACY ADMINISTRATION

SCHOOLS BY STATE	BLACK AMERICAN		HISPANIC AMERICAN		ASIAN AMERICAN		NATIVE AMERICAN		OTHER AMERICAN		FOREIGN		TOTAL MALES	TOTAL FEMALES	GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F			
Arizona, U. of	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Colorado, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Florida, U. of	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
Purdue U.	1	1	0	0	0	0	0	0	0	0	1	0	2	1	3
Iowa, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Maryland U. of	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
Minnesota, U. of	0	0	0	0	0	0	0	0	0	0	3	1	3	1	4
Mississippi, U. of	0	2	0	0	0	0	0	0	0	0	2	0	2	2	4
Texas at Austin, U. of	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL	1	5	0	1	0	0	0	0	0	0	9	2	10	8	18

TABLE 5-A
FALL 1983 PART-TIME ENROLLMENT IN MASTERS PROGRAMS

SCHOOLS BY STATE	PHARM.		PH. CHEM.*		PHCOG.		PHCOL.		PH. ADM.		HOSP. PH.		TOTALS		GRAND TOTAL
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Arizona, U. of	0	0	1	0	0	0	2	2	1	0	0	0	4	2	6
Arkansas, U. of	3	3	0	0	0	0	0	0	0	0	1	0	4	3	7
Pacific, U. of	2	1	0	0	0	0	0	0	0	0	0	0	2	1	3
Florida, U. of	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Idaho State U.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Illinois, U. of	2	1	0	0	0	0	0	0	2	0	0	0	4	1	5
Butler U.	0	1	1	1	0	0	2	2	0	0	7	4	10	8	18
Purdue U.	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Iowa, U. of	0	0	0	0	0	0	0	0	2	2	0	0	2	2	4
Kansas, U. of	0	0	0	0	0	0	0	0	0	0	5	4	5	4	9
Northeast Louisiana U.	0	0	0	0	0	0	0	1	0	0	1	0	1	1	2
Maryland U. of	2	0	1	0	0	0	0	1	0	0	2	2	5	3	8
Massachusetts Coll. of Pharm.	4	2	1	1	0	0	0	0	0	0	2	0	7	3	10
Northeastern U.	0	0	24	17	0	0	29	13	0	0	24	13	77	43	120
Wayne State U.	1	0	1	0	0	0	0	0	5	1	20	14	27	15	42
Minnesota, U. of	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2
Mississippi, U. of	2	0	4	3	1	0	0	0	1	2	8	5	16	10	26
Missouri - Kansas City, U. of	3	0	6	0	0	0	9	3	5	1	0	0	23	4	27
Nebraska, U. of	0	0	1	4	0	0	2	0	0	0	0	0	3	4	7
Rutgers U.	6	5	0	2	1	0	6	5	0	0	0	0	13	12	25
A&M Schwartz Long Island U.	21	11	0	0	0	0	12	6	20	10	21	0	74	27	101
St. John's U.	56	41	2	1	0	0	33	29	11	6	0	0	102	77	179
New York at Buffalo, State U. of	0	0	2	1	0	0	0	1	0	0	0	0	2	2	4
North Carolina, U. of	0	0	0	1	0	0	0	0	0	0	1	2	1	3	4
Ohio State U.	0	0	0	0	0	0	1	1	5	4	0	0	6	5	11
Cincinnati, U. of	2	2	0	0	0	1	1	0	0	0	0	0	3	3	6
Toledo, U. of	0	0	0	0	0	1	0	0	0	0	11	3	11	4	15
Oregon State U.	0	0	0	0	0	0	0	0	0	0	4	1	4	1	5
Duquesne U.	7	1	2	0	0	0	3	3	0	0	0	0	12	4	16
Philadelphia Coll. of Pharm.	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2
Temple U.	6	5	4	1	0	0	1	2	0	0	8	2	19	10	29
Rhode Island, U. of	1	0	0	0	0	1	0	0	1	0	0	0	2	1	3
South Carolina, U. of	6	0	0	0	0	0	0	0	2	2	2	1	10	3	13
Utah, U. of	0	0	0	0	0	0	0	0	2	0	0	0	2	0	2
Virginia Commonwealth U.	4	1	1	0	0	0	0	0	0	0	0	0	5	1	6
TOTAL	129	75	52	32	3	4	101	70	57	28	118	51	460	260	720

TABLE 5-B
FALL 1983 PART-TIME ENROLLMENT IN PH.D. PROGRAMS

SCHOOLS BY STATE	PHARM.		PH. CHEM.		PHCOG.		PHCOL.		PH. ADM.		HOSP. PH.		TOTALS		GRAND
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL
Arizona, U. of	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
California, U. of	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
Pacific, U. of	0	0	1	0	0	0	1	0	0	0	0	0	2	0	2
Connecticut, U. of	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Georgia, U. of	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Illinois, U. of	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Purdue U.	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Northeast Louisiana U.	1	0	1	0	0	0	0	0	1	0	0	0	3	0	3
Maryland U. of	4	2	3	0	0	0	3	2	0	0	0	0	10	4	14
Michigan, U. of	0	0	0	0	0	0	1	1	0	0	0	0	1	1	2
Wayne State U.	1	0	0	0	0	0	0	1	0	0	0	0	1	1	2
Minnesota, U. of	1	0	0	0	0	1	0	0	4	0	0	0	5	1	6
Mississippi, U. of	2	1	4	0	2	1	3	2	5	6	0	0	16	10	26
Missouri-Kansas City, U. of	0	0	3	0	0	0	4	1	4	0	0	0	11	1	12
Nebraska, U. of	0	0	1	0	0	0	1	2	0	0	0	0	2	2	4
Rutgers U.	11	2	3	0	2	0	6	1	0	0	0	0	22	3	25
St. John's U.	35	3	5	4	0	0	14	8	0	0	0	0	54	15	69
North Carolina, U. of	1	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Ohio State U.	1	1	0	0	0	0	0	0	2	0	0	0	3	1	4
Cincinnati, U. of	2	1	0	0	0	0	0	0	0	0	0	0	2	1	3
Duquesne U.	1	0	4	1	0	0	1	0	0	0	0	0	6	1	7
Philadelphia Coll. of Pharm.	3	1	0	1	1	0	0	1	0	0	0	0	4	3	7
Temple U.	6	2	6	0	0	0	3	0	0	0	0	0	15	2	17
Pittsburgh, U. of	0	0	0	0	0	0	2	0	0	0	0	0	2	0	2
Rhode Island, U. of	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
South Carolina, U. of	0	0	2	0	0	0	1	0	0	1	0	0	3	1	4
Tennessee, U. of	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Virginia Commonwealth U.	0	1	1	2	0	0	0	0	0	0	0	0	1	3	4
Wisconsin-Madison, U. of	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
TOTAL	72	14	35	10	5	2	43	19	16	8	0	0	171	53	224

TABLE 6
PREVIOUS DEGREE OF FULL AND PART-TIME GRADUATE STUDENTS

M.S. STUDENTS	Full-Time			Part-Time		
	American	Canadian	Foreign	American	Canadian	Foreign
Pharmacy degree from school now attending	149	4	11	224	0	1
Pharmacy degree from other U.S. school	130	3	8	141	0	2
Pharmacy degree from foreign school	14	1	204	26	0	54
Non-pharmacy degree from U.S. school	159	0	19	204	0	3
Non-pharmacy degree from foreign school	4	0	40	2	0	16
TOTALS	456	8	282	597	0	76

PH.D. STUDENTS	Full-Time			Part-Time		
	American	Canadian	Foreign	American	Canadian	Foreign
Pharmacy degree from school now attending	178	1	22	33	1	2
Pharmacy degree from other U.S. school	213	0	28	26	0	0
Pharmacy degree from foreign school	6	4	259	16	0	13
Non-pharmacy degree from U.S. school	478	3	21	98	0	2
Non-pharmacy degree from foreign school	15	3	95	2	0	4
TOTALS	890	11	425	175	1	21

TABLE 7
FALL 1983 GEOGRAPHIC ORIGIN OF GRADUATE STUDENTS*

COLLEGE BY STATE	OWN STATE	OTHER STATE	CANADA	FOREIGN COUNTRY	TOTAL
Auburn U.	9	5	0	4	18
Arizona, U. of	54	29	1	11	95
Arkansas Medical Center, U. of	12	1	0	0	13
California, U. of	53	5	1	8	67
Pacific, U. of	6	3	0	15	24
Southern California, U. of	14	9	1	27	51
Colorado, U. of	11	3	0	2	16
Connecticut, U. of	18	30	1	27	76
Florida A&M U.	16	2	0	4	22
Florida, U. of	18	13	0	7	38
Georgia, U. of	5	21	0	18	44
Idaho State U.	4	0	0	2	6
Illinois, U. of	19	8	0	42	69
Butler U.	21	0	0	1	22
Purdue U.	35	56	0	42	133
Iowa, U. of	18	23	0	22	63
Kansas, U. of	31	76	1	43	151
Kentucky, U. of	4	19	0	12	35
Northeast Louisiana U.	13	6	0	13	32
Maryland, U. of	17	9	0	12	38
Massachusetts College of Pharmacy	17	6	1	21	45
Northeastern U.	107	29	0	26	162
Michigan, U. of	2	31	0	23	56
Wayne State U.	43	0	0	6	49
Minnesota, U. of	19	36	1	31	87
Mississippi, U. of	35	24	0	17	76
Missouri-Kansas City, U. of	31	8	0	11	50
Montana U.	1	0	0	2	3
Nebraska, U. of	19	4	0	9	32
Rutgers U.	52	7	0	26	85
A&M Schwartz Long Island U.	52	21	0	54	127
St. John's U.	212	41	1	40	294
State U. of New York at Buffalo	26	25	5	24	80
North Carolina, U. of	20	23	0	13	56
North Dakota State U.	1	7	0	3	11

Ohio State U.	48	27	1	27	103
Cincinnati, U. of	13	1	0	12	26
Toledo, U. of	15	3	0	7	25
Oklahoma, U. of	7	9	0	17	33
Oregon State U.	6	17	0	12	35
Duquesne U.	22	0	0	16	38
Philadelphia College of Pharmacy	26	12	0	42	79
Temple U.	61	12	0	3	76
Pittsburgh, U. of	22	1	0	18	41
Rhode Island, U. of	8	11	0	10	29
South Carolina, U. of	1	6	0	5	12
Tennessee, U. of	6	2	0	0	8
Houston, U. of	17	10	0	28	55
Texas at Austin, U. of	14	20	0	20	54
Utah, U. of	7	21	0	20	48
Virginia Commonwealth U.	12	10	0	11	33
Washington, U. of	17	24	0	2	43
Washington State U.	5	8	0	9	22
West Virginia U.	5	5	0	9	19
Wisconsin-Madison U. of	39	26	0	26	91
TOTAL	1366	805	14	911	3096

* May include part-time and special students.

TABLE 8
FALL 1983 COUNTRY OF ORIGIN OF FOREIGN STUDENTS*

COUNTRY	TOTAL	COUNTRY	TOTAL
Africa**	4	Kuwait	2
Asia**	9	Lebanon	3
Bangladesh	19	Liberia	5
Botswana	1	Malaysia	10
Cameroon	2	Morocco	1
Canada**	4	Netherlands	6
Alberta	1	New Zealand	1
British Columbia	1	Nigeria	34
New Brunswick	3	Pakistan	19
Ontario	4	Panama	4
Quebec	5	Philippines	10
Columbia	1	Poland	7
Dominican Republic	2	Republic of China	173
Egypt	56	Romania	1
Ethiopia	3	South Africa	2
China	7	Sudan	2
Great Britain	5	Switzerland	2
Greece	18	Syria	3
Guyana	3	Tanzania	11
Haiti	1	Thailand	36
Honduras	2	Turkey	3
Hong Kong	40	Uganda	2
Hungary	2	U.S.S.R.	2
India	173	Venezuela	9
Indonesia	35	Vietnam	4
Iran	40	West Africa	1
Iraq	1	West Germany	4
Israel	2	West Indies	1
Jamaica	1	Yugoslavia	2
Japan	15	Zaire	2
Jordan	8	Kenya	6
Korea	47	Zambia	8
		Zimbabwe	1
		TOTAL	902

* May include part-time and special students.

** Individual nation not specified.

TABLE 9
FALL 1983 ENROLLMENT OF AMERICAN FULL-TIME STUDENTS IN EACH STATE BY STATE OF RESIDENCE*

ALABAMA (9 + 15 = 24)		CONNECTICUT (18 + 35 = 53)		ILLINOIS (19 + 34 = 53)	
Auburn U.	9	Connecticut, U. of	18	Illinois, U. of	19
Georgia, U. of	2	California, U. of	1	Arizona, U. of	2
Kansas, U. of	1	Georgia, U. of	1	Purdue U.	5
Minnesota, U. of	1	Purdue U.	3	Iowa, U. of	8
Mississippi, U. of	5	Kansas, U. of	2	Kansas, U. of	5
North Carolina, U. of	1	Massachusetts Coll. of Pharm.	3	Kentucky, U. of	1
Ohio State U.	1	Northeastern U.	8	Michigan, U. of	1
Oklahoma, U. of	1	Michigan, U. of	1	Mississippi, U. of	2
Texas at Austin, U. of	1	A&M Schwartz Long Island U.	1	New York-Buffalo, State U. of	1
Virginia Commonwealth U.	1	St. John's U.	2	Ohio State U.	2
Washington U.	1	New York-Buffalo, State U. of	1	Oklahoma, U. of	1
		Ohio State U.	1	Oregon State U.	2
		Temple U.	2	Texas at Austin, U. of	1
		Rhode Island U.	3	Utah, U. of	1
		Houston, U. of	1	Wisconsin, U. of	2
		Texas at Austin, U. of	2		
		Wisconsin, U. of	3		
ARIZONA (54 + 6 = 60)				INDIANA (56 + 21 = 77)	
Arizona, U. of		DELAWARE (0 + 6 = 6)		Butler U.	21
Georgia, U. of		Arizona, U. of	1	Purdue U.	35
Purdue U.		Mississippi, U. of	1	Florida, U. of	2
Nebraska, U. of		A&M Schwartz Long Island U.	2	Georgia, U. of	1
Oregon State U.	54	Utah, U. of	1	Illinois, U. of	2
Tennessee, U. of	1	Wisconsin, U. of	1	Kansas, U. of	4
Washington U.	1			Mississippi, U. of	1
				New York-Buffalo, State U. of	1
ARKANSAS (12 + 15 = 27)		DISTRICT OF COLUMBIA (0 + 8 = 8)		Ohio State U.	3
Arkansas, U. of	1	California, U. of	1	Philadelphia Coll. of Pharm.	1
Illinois, U. of	2	Maryland, U. of	4	Texas at Austin, U. of	3
Northeast Louisiana U.		Michigan, U. of	1	Washington State U.	1
Minnesota, U. of	12	Minnesota, U. of	1	West Virginia U.	1
Mississippi, U. of	1	Houston, U. of	1	Wisconsin, U. of	1
Washington U.	3				
				IOWA (18 + 14 = 32)	
CALIFORNIA (73 + 36 = 109)		FLORIDA (34 + 16 = 50)		Iowa, U. of	18
California U.	3	Florida A&M U.	16	Purdue U.	1
Pacific, U. of	5	Florida, U. of	18	Kansas, U. of	4
Southern California, U. of		Georgia, U. of	1	Maryland, U. of	1
Arizona, U. of	53	Purdue U.	1	Minnesota, U. of	3
Illinois, U. of	6	Kansas, U. of	14	A&M Schwartz Long Island U.	1
Purdue U.	14	Kentucky, U. of	3	North Carolina, U. of	2
Kansas, U. of	3	Nebraska, U. of	1	South Carolina, U. of	1
Michigan, U. of	2	A&M Schwartz Long Island U.	1	Washington State U.	1
Minnesota, U. of	2	North Carolina, U. of	3		
Missouri-Kansas City, U. of	2	Oklahoma, U. of	1	KANSAS (31 + 12 = 43)	
Nebraska, U. of	5	Philadelphia Coll. of Pharm.	1	Kansas, U. of	31
A&M Schwartz Long Island U.	2	South Carolina, U. of	2	Mississippi, U. of	1
New York-Buffalo, State U. of	1	Houston, U. of	1	Missouri-Kansas City U. of	5
North Carolina, U. of	2			Tennessee, U. of	1
Oregon State U.	1	GEORGIA (0 + 11 = 11)		Houston, U. of	2
Texas at Austin, U. of	1	Georgia, U. of	5	Texas at Austin, U. of	2
Utah, U. of	1	Colorado, U. of	1	Wisconsin, U. of	1
Washington State U.	1	Purdue U.	1		
Wisconsin, U. of	8	Mississippi, U. of	1	KENTUCKY (4 + 7 = 11)	
		New York-Buffalo, State U. of	1	Kentucky U.	4
COLORADO (11 + 11 = 22)		Oregon State U.	1	Pacific, U. of	1
Colorado, U. of	2	Wisconsin, U. of	1	Northeast Louisiana U.	1
Auburn U.	1			Mississippi, U. of	1
Arizona, U. of		HAWAII (0 + 3 = 3)		Ohio State U.	3
Southern California, U. of	11	Maryland, U. of	1	Texas at Austin, U. of	1
Kansas, U. of	1	Oregon State U.	2		
Maryland, U. of	1			LOUISIANA (13 + 7 = 20)	
St. John's U.	1	IDAHO (4 + 7 = 11)		Northeast Louisiana U.	13
Temple U.	1	Idaho State U.	4	Connecticut, U. of	3
Utah, U. of	3	Arizona, U. of	1	Florida A&M U.	1
Washington, U. of	1	Purdue U.	1	Mississippi, U. of	3
		Michigan, U. of	2		
		Washington, U. of	2		
		Washington State U.	1		

MAINE (0 + 11 = 11)

Purdue U.	1
Kansas, U. of	1
Kentucky, U. of	1
Northeastern Louisiana U.	3
A&M Schwartz Long Island U.	1
New York-Buffalo, State U. of	1
North Carolina, U. of	1
Oklahoma, U. of	1
Utah, U. of	1

MARYLAND (17 + 17 = 34)

Maryland, U. of	17
Arizona, U. of	2
Connecticut, U. of	5
Florida, U. of	2
Georgia, U. of	1
Purdue U.	1
Michigan, U. of	1
North Carolina, U. of	1
Ohio State U.	1
Temple U.	1
Texas at Austin, U. of	1
Virginia Commonwealth U.	1

MASSACHUSETTS (124 + 30 = 154)

Massachusetts Coll. of Pharm.	17
Northeastern U.	107
Arizona, U. of	1
California, U. of	1
Florida, U. of	1
Georgia, U. of	1
Purdue U.	2
Kentucky, U. of	1
Michigan, U. of	10
Minnesota, U. of	3
A&M Schwartz Long Island U.	1
Ohio State U.	2
Rhode Island, U. of	2
Houston, U. of	2
Texas at Austin, U. of	2
Wisconsin, U. of	1

MICHIGAN (45 + 34 = 79)

Michigan U. of	2
Wayne State U.	43
Auburn U.	1
Arizona, U. of	1
Georgia, U. of	1
Illinois, U. of	1
Purdue U.	5
Iowa, U. of	2
Kansas, U. of	4
Kentucky, U. of	2
North Carolina, U. of	1
Ohio State U.	2
Toledo, U. of	3
Oklahoma, U. of	1
Utah, U. of	3
Washington, U. of	2
Wisconsin, U. of	5

MINNESOTA (19 + 16 = 35)

Minnesota, U. of	19
Southern California, U. of	1
Connecticut, U. of	1
Iowa, U. of	1
Kansas, U. of	3
Michigan, U. of	2
North Dakota State U.	4
Utah, U. of	4
Washington, U. of	2
Wisconsin, U. of	1

MISSISSIPPI (35 + 5 = 40)

Mississippi U. of	35
Florida, U. of	1
Purdue U.	1
Iowa, U. of	1
Northeast Louisiana U.	1
Minnesota, U. of	1

MISSOURI (31 + 19 = 50)

Missouri-Kansas City, U. of.	31
Arizona, U. of	2
Pacific, U. of	1
Connecticut, U. of	1
Florida, U. of	1
Iowa, U. of	1
Kansas, U. of	8
St. John's U.	1
Ohio State U.	2
Oklahoma, U. of	1
Washington, U. of	1

MONTANA (1 + 0 = 1)

Montana, U. of	1
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NEBRASKA (19 + 10 = 29)

Nebraska, U. of	19
Iowa, U. of	1
Kansas, U. of	3
Kentucky, U. of	1
Minnesota, U. of	1
Ohio State U.	2
Washington, U. of	1
Wisconsin, U. of	1

NEVADA (0 + 3 = 3)

Arizona, U. of	1
Florida, U. of	1
Minnesota, U. of	1

NEW HAMPSHIRE (0 + 17 = 17)

Connecticut, U. of	1
Kansas, U. of	1
Massachusetts Coll. of Pharm.	2
Northeastern U.	3
Michigan, U. of	1
New York-Buffalo, State U. of	1
Ohio State U.	1
Temple U.	6
Utah, U. of	1

NEW JERSEY (52 + 86 = 138)

Rutgers U.	52
Connecticut, U. of	1
Georgia, U. of	1
Purdue U.	3
Iowa, U. of	2
Kansas, U. of	4
Massachusetts Coll. of Pharm.	1
Minnesota, U. of	1
Nebraska, U. of	1
A&M Schwartz Long Island U.	9
St. John's U.	35
New York-Buffalo, State U. of	3
North Carolina, U. of	3
North Dakota State U.	1
Ohio State U.	1
Philadelphia Coll. of Pharm.	8
Pittsburgh, U. of	1
Rhode Island, U. of	2
South Carolina, U. of	1
Texas at Austin, U. of	1
Virginia Commonwealth U.	4
Washington State U.	1
West Virginia U.	1
Wisconsin, U. of	1

NEW MEXICO (81 + 27 = 108)

Arizona, U. of	2
Connecticut, U. of	2
Purdue U.	1
Kansas, U. of	2
Michigan, U. of	3
Rutgers U.	4
New York-Buffalo, State U. of	7
Ohio State U.	1
Temple U.	1
Texas at Austin, U. of	1
Utah, U. of	1
Washington, U. of	2

NEW YORK (290 + 65 = 355)

A&M Schwartz Long Island U.	52
St. John's U.	212
New York-Buffalo, State U. of	26
Arizona, U. of	4
Southern California, U. of	1
Colorado, U. of	2
Connecticut, U. of	8
Florida, U. of	1
Georgia, U. of	3
Illinois, U. of	13
Purdue U.	1
Iowa, U. of	1
Kansas, U. of	6
Kentucky, U. of	4
Northeastern U.	5
Minnesota, U. of	1
Mississippi, U. of	1
North Carolina, U. of	3
Cincinnati, U. of	1
Philadelphia Coll. of Pharm.	2
Rhode Island, U. of	1
Houston, U. of	1
Texas at Austin, U. of	1
Virginia Commonwealth U.	1
Utah, U. of	2
Washington, U. of	1
West Virginia U.	1

NORTH CAROLINA (20 + 11 = 31)

North Carolina, U. of	20
Georgia, U. of	2
Purdue U.	2
Iowa, U. of	1
Kansas, U. of	1
Minnesota, U. of	1
A&M Schwartz Long Island U.	1
South Carolina, U. of	1
Texas at Austin, U. of	2

NORTH DAKOTA (1 + 5 = 6)

North Dakota State U.	1
Iowa, U. of	1
Michigan, U. of	3
Minnesota, U. of	1

OHIO (76 + 26 = 102)

Ohio State U.	48
Cincinnati, U. of	13
Toledo, U. of	15
Auburn U.	1
California, U. of	1
Southern California, U. of	1
Connecticut, U. of	1
Florida, U. of	2
Georgia, U. of	2
Purdue U.	5
Kansas, U. of	20
Kentucky, U. of	1
Northeastern Louisiana U.	1
Minnesota, U. of	1
New York-Buffalo, State U. of	2
North Carolina, U. of	1
Utah, U. of	2
Wisconsin, U. of	3

OKLAHOMA (7 + 2 = 9)

Oklahoma U. of	7
Arizona, U. of	1
Connecticut, U. of	1

OREGON (6 + 9 = 15)

Oregon State U.	6
Arizona, U. of	2
Kansas, U. of	1
Kentucky, U. of	1
Utah, U. of	1
Washington, U. of	2
Washington State U.	2

PENNSYLVANIA (131 + 50 = 181)

Duquesne U.
Philadelphia Coll. of Pharm.
Temple U.
Pittsburgh, U. of
 Auburn U.
 Arizona, U. of
 Connecticut, U. of
 Florida, U. of
 Georgia, U. of
 Purdue U.
 Iowa, U. of
 Kansas, U. of
 Kentucky, U. of
 Northeastern Louisiana U.
 Michigan, U. of
 Rutgers U.
 A&M Schwartz Long Island U.
 St. John's U.
 New York-Buffalo, State U. of
 North Carolina, U. of
 Ohio State U.
 Oklahoma, U. of
 Rhode Island U.
 South Carolina, U. of
 Houston, U. of
 Texas at Austin, U. of
 Utah, U. of
 Virginia Commonwealth U.
 West Virginia, U. of
 Wisconsin, U. of

RHODE ISLAND (8 + 7 = 15)

Rhode Island, U. of
Connecticut, U. of
 Northeastern U.

SOUTH CAROLINA (1 + 1 = 2)

South Carolina, U. of
Arkansas, U. of

SOUTH DAKOTA (0 + 5 = 5)

Kansas, U. of
 Minnesota, U. of
 Utah, U. of

TENNESSEE (6 + 7 = 13)

Tennessee, U. of
 Purdue U.
 Mississippi, U. of
 North Carolina, U. of

TEXAS (31 + 21 = 52)

Houston, U. of
Texas, U. of
 Arizona, U. of
 Pacific, U. of
 Florida A&M U.
 Florida, U. of
 Georgia, U. of
 Illinois, U. of
 Purdue U.
 Iowa, U. of
 Kansas, U. of
 Kentucky, U. of
 Northeast Louisiana U.
 Northeastern U.
 New York-Buffalo, State U. of
 North Dakota State U.
 Oklahoma, U. of
 Utah, U. of
 Virginia Commonwealth U.
 Washington, U. of

UTAH (7 + 7 = 14)

Utah, U. of
 Auburn U.
 Southern California, U. of
 Minnesota, U. of
 New York-Buffalo, State U. of
 Ohio State U.

VERMONT (0 + 5 = 5)

Purdue U.
 Minnesota, U. of
 A&M Schwartz Long Island U.
 Rhode Island U.

VIRGINIA (12 + 12 = 24)

Virginia Commonwealth U.
Maryland, U. of
 Iowa, U. of
 Kansas, U. of
 Missouri-Kansas City, U. of
 New York-Buffalo, State U. of
 North Carolina, U. of
 Oregon State U.
 Wisconsin, U. of

WASHINGTON (22 + 6 = 28)

Washington, U. of
Washington State U.
 Arizona, U. of
 Southern California, U. of
 Kansas, U. of
 Michigan, U. of
 North Carolina, U. of

WEST VIRGINIA (5 + 3 = 8)

West Virginia U.
 Ohio State U.
 Oregon State U.
 Virginia Commonwealth U.

WISCONSIN (39 + 23 = 62)

Wisconsin-Madison, U. of
 Arizona, U. of
 California, U. of
 Connecticut, U. of
 Kansas, U. of
 Michigan, U. of
 Minnesota, U. of
 North Dakota State U.
 Ohio State U.
 Washington, U. of

VIRGIN ISLANDS (0 + 2 = 2)

Southern California, U. of
 Oregon State U.

* May include part-time and special students.

The first number in each set of parentheses indicates the number of resident students attending colleges in-state; the second number represents the number of resident students attending colleges in other states. Under each state are listed the colleges enrolling students from the state with schools within that state underlined.

TABLE 10
CHANGE IN PHARMACY SCHOOL GRADUATE ENROLLMENT
(FULL AND PART-TIME)

Academic Year	Schools Reporting Grad. Programs	Total Enrollment	From Preceding Academic Year	From 1970-71 Academic Year
1970-71	58	2029	+ 2.01	-
1971-72	57	2040	+ .54	+ .54
1972-73	56	2030	- .49	+ .05
1973-74	55	2287	+ 12.66	+ 12.72
1974-75	50	2273	- .61	+ 12.02
1975-76	54	2499	+ 9.94	+ 23.16
1976-77	55	2482	- .68	+ 22.33
1977-78	55	2651	+ 6.81	+ 30.66
1978-79	55	2776	+ 4.72	+ 36.82
1979-80	54	2791	+ .52	+ 37.55
1980-81	54	2942	+ 5.13	+ 45.09
1981-82	53	2961	+ .64	+ 45.93
1982-83	54	2928	- 1.11	+ 44.31
1983-84	54	3051	+ 4.24	+ 50.37

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